

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(("6850901") or ("20020177453")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/08 13:09
L2	3	(("6850901") or ("20020177453") or ("6782253")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/08 15:58
L3	1	("7209955").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/08 16:23
L4	857	719/318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:23
L5	209	I4 and notification and mode and type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:24
L6	26	I5 and calendar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:26
L7	1576	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:24
L8	10786	709/201-203.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:24
L9	29861	709/217-228.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:25
L10	1002	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:25
L11	2743	719/311-317.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:25

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L12	39973	I7 or I8 or I9 or I10 or I11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:25
L13	4927	I12 and notification and mode and type	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:25
L14	604	I13 and calendar	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:26
L15	538	I14 and event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:28
L16	249	I15 and volume	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:29
L17	181	I16 and wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/08 16:29
S1	0	modul\$5 same event same (notif\$5 or notification) same aggressiveness	USPAT	OR	ON	2005/03/18 14:36
S2	0	(plural or multiple or several) near3 profile same event same calander	USPAT	OR	ON	2005/03/18 14:37
S3	0	(plural or multiple or several) near3 profile same event same aggressiveness	USPAT	OR	ON	2005/03/18 14:37
S4	79	(plural or multiple or several) near3 profile same event	USPAT	OR	ON	2005/03/18 14:38
S5	0	S4 and (notificaiton same user)	USPAT	OR	ON	2005/03/18 14:38
S6	4	S4 and (notification same user)	USPAT	OR	ON	2005/03/18 14:41
S7	0	(notification near5 aggressiveness)	USPAT	OR	ON	2007/07/08 13:06
S8	0	(notification near8 aggressiveness)	USPAT	OR	ON	2005/03/18 14:42
S9	5	(notification near8 aggress\$5)	USPAT	OR	ON	2005/03/18 14:44
S10	319	(notification near8 priori\$5)	USPAT	OR	ON	2005/03/18 14:45
S11	53	(notification near8 priori\$5) same event	USPAT	OR	ON	2005/03/18 14:45

EAST Search History

S12	6	(notification near8 priori\$5) same event same type	USPAT	OR	ON	2005/03/18 14:48
S13	1	("6,642,939").PN.	USPAT	OR	OFF	2005/03/18 14:48
S14	111	(notification near2 menu)	USPAT	OR	ON	2007/07/03 23:06
S15	28	S14 and calendar\$5	USPAT	OR	ON	2007/07/03 23:13
S16	309	screen near3 calendar\$5	USPAT	OR	ON	2007/07/03 23:15
S17	67	screen near3 calendar\$5 same event	USPAT	OR	ON	2007/07/03 23:15

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	287	handheld and (((notify or inform or alert) adj user) same (store or storing or preference or setting))	USPAT	OR	ON	2007/07/08 16:30
L2	34	microsoft\$.as. and ((notify or notification) same user same profile)	USPAT; EPO; JPO	OR	ON	2007/07/08 16:30
S1	6571	(((handheld) or hand-held or (hand adj held)) adj device)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:38
S2	64	(((handheld) or hand-held or (hand adj held)) adj device)) and ((notify or notifying) same user same event)	USPAT; EPO; JPO	OR	ON	2003/07/17 16:40
S3	15	(((handheld) or hand-held or (hand adj held)) adj device)) and ((notify or notifying) same user same event same profile)	USPAT; EPO; JPO	OR	ON	2003/07/17 16:40
S4	176	(((handheld) or hand-held or (hand adj held)) adj device)) and (user near5 profile)	USPAT; EPO; JPO	OR	ON	2003/07/17 16:46
S5	819	(((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.)	USPAT; EPO; JPO	OR	ON	2003/07/17 16:50
S6	5	((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.) and vibrat\$3	USPAT; EPO; JPO	OR	ON	2003/07/17 16:52
S7	189	((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.) and (notify or notification)	USPAT; EPO; JPO	OR	ON	2003/07/17 16:53
S8	101	((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.) and ((notify or notification) same user)	USPAT; EPO; JPO	OR	ON	2003/07/17 16:53
S9	21	((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.) and ((notify or notification) same user)) and light	USPAT; EPO; JPO	OR	ON	2003/07/17 16:58
S10	1	((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.) and ((notify or notification) same user)) and light and e-mail	USPAT; EPO; JPO	OR	ON	2003/07/17 16:55
S11	28	((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.) and (user near2 profile)	USPAT; EPO; JPO	OR	ON	2003/07/17 17:02

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S12	5	(((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.)) and ((user near2 profile) same (notify or notification))	USPAT; EPO; JPO	OR	ON	2003/07/17 17:00
S13	5	(((((handheld) or hand-held or (hand adj held)) adj device)) and (microsoft\$.as.)) and ((notify or notification) near5 profile)	USPAT; EPO; JPO	OR	ON	2003/07/17 17:16
S14	3596	microsoft\$.as.	USPAT; EPO; JPO	OR	ON	2003/07/17 17:24
S15	8	microsoft\$.as. and ((notify or notification) same user same profile)	USPAT; EPO; JPO	OR	ON	2007/07/08 16:30
S16	30	(((((handheld) or hand-held or (hand adj held)) adj device)) and ((notify or notification) same user same profile))	USPAT; EPO; JPO	OR	ON	2003/07/17 17:18
S17	199	(((((handheld) or hand-held or (hand adj held)) adj device)) and ((notify or notification) near3 user))	USPAT; EPO; JPO	OR	ON	2003/07/17 17:51
S18	120	(((((handheld) or hand-held or (hand adj held)) adj device)) and (notify adj user))	USPAT; EPO; JPO	OR	ON	2003/07/17 17:20
S19	50	(((((handheld) or hand-held or (hand adj held)) adj device)) and (notify adj user)) and e-mail	USPAT; EPO; JPO	OR	ON	2003/07/17 17:21
S20	66	(((((handheld) or hand-held or (hand adj held)) adj device)) and (notify adj user)) and sound	USPAT; EPO; JPO	OR	ON	2003/07/17 17:21
S21	34	(((((handheld) or hand-held or (hand adj held)) adj device)) and (notify adj user)) and e-mail and sound	USPAT; EPO; JPO	OR	ON	2003/07/17 17:22
S22	579	microsoft\$.as. and (notify or notification)	USPAT; EPO; JPO	OR	ON	2003/07/17 17:24
S23	27	(microsoft\$.as. and (notify or notification)) and handheld	USPAT; EPO; JPO	OR	ON	2003/07/17 17:25
S24	18	("3999050" "4162610" "4258354" "4768176" "4774697" "4780839" "4891776" "5050138" "5157640" "5237684" "5262763" "5416725" "5754629" "5760690" "5832489" "5900875" "6009338" "6047260"). PN.	USPAT	OR	OFF	2003/07/17 17:37
S25	29	(((((handheld) or hand-held or (hand adj held)) adj device)) and ((notify or notification) near3 user)) and (user adj notification)	USPAT; EPO; JPO	OR	ON	2003/07/17 17:40
S26	10	(((((handheld) or hand-held or (hand adj held)) adj device)) and ((notify or notification) same vibrate same user))	USPAT; EPO; JPO	OR	ON	2003/07/17 17:54

EAST Search History

S27	34	((((handheld) or hand-held or (hand adj held)) adj device)) and (vibrate same user)	USPAT; EPO; JPO	OR	ON	2003/07/17 17:54
S28	964	((((handheld) or hand-held or (hand adj held)) adj device)) and cellular	USPAT; EPO; JPO	OR	ON	2003/07/17 18:23
S29	426	(((((handheld) or hand-held or (hand adj held)) adj device)) and cellular) and event	USPAT; EPO; JPO	OR	ON	2003/07/17 17:57
S30	291	(((((handheld) or hand-held or (hand adj held)) adj device)) and cellular) and event) and enable	USPAT; EPO; JPO	OR	ON	2003/07/17 17:58
S31	263	((((((handheld) or hand-held or (hand adj held)) adj device)) and cellular) and event) and enable) and signal	USPAT; EPO; JPO	OR	ON	2003/07/17 17:58
S32	137	((((((handheld) or hand-held or (hand adj held)) adj device)) and cellular) and event) and enable) and (user near5 enable)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:05
S33	69	((((((handheld) or hand-held or (hand adj held)) adj device)) and cellular) and event) and enable) and (user adj5 enable)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:05
S34	117791	cellular	USPAT; EPO; JPO	OR	ON	2003/07/17 18:24
S35	9465	cellular adj phone	USPAT; EPO; JPO	OR	ON	2003/07/17 18:28
S36	178	(cellular adj phone) and (user adj selection)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:24
S37	1	(cellular adj phone) and ((user adj selection) near5 store)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:25
S38	25	(cellular adj phone) and ((user adj selection) same signal)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:26
S39	316	(cellular adj phone) and ((cellular adj phone) same user same input)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:34
S40	700	(cellular adj phone) and e-mail	USPAT; EPO; JPO	OR	ON	2003/07/17 18:35
S41	332	(cellular adj phone) and calendar	USPAT; EPO; JPO	OR	ON	2003/07/17 18:35
S42	55	((cellular adj phone) and calendar) and (e-mail same calendar)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:36
S43	23	((((cellular adj phone) and calendar) and (e-mail same calendar)) and appointment	USPAT; EPO; JPO	OR	ON	2003/07/17 18:36
S44	193	((((handheld) or hand-held or (hand adj held)) adj device)) and vibrating	USPAT; EPO; JPO	OR	ON	2003/07/17 18:39

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S45	261	((((handheld) or hand-held or (hand adj held)) adj device)) and (vibrating or vibrate)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:41
S46	34	((((handheld) or hand-held or (hand adj held)) adj device)) and (vibrating or vibrate) and ((vibrating or vibrate) same (select\$3))	USPAT; EPO; JPO	OR	ON	2003/07/17 18:40
S47	9256	computer and (vibrating or vibrate)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:47
S48	1063	(computer and (vibrating or vibrate)) and ((vibrating or vibrate) same (select\$3))	USPAT; EPO; JPO	OR	ON	2003/07/17 18:42
S49	86	((computer and (vibrating or vibrate)) and ((vibrating or vibrate) same (select\$3))) and ((vibrating or vibrate) same (select\$3) same user)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:43
S50	3	(((computer and (vibrating or vibrate)) and ((vibrating or vibrate) same (select\$3))) and ((vibrating or vibrate) same (select\$3) same user)) and ((vibrating or vibrate) near5 (select\$3) near5 user)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:43
S51	18693	computer and ((handheld) or hand-held or (hand adj held))	USPAT; EPO; JPO	OR	ON	2003/07/17 18:47
S52	666	(computer and ((handheld) or hand-held or (hand adj held))) and (notify same user)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:49
S53	84	(computer and ((handheld) or hand-held or (hand adj held))) and (notify same user same (select or selection))	USPAT; EPO; JPO	OR	ON	2003/07/17 18:48
S54	23	((computer and ((handheld) or hand-held or (hand adj held))) and (notify same user same (select or selection))) and (e-mail)	USPAT; EPO; JPO	OR	ON	2003/07/17 18:48
S55	111	((computer and ((handheld) or hand-held or (hand adj held))) and (notify same user)) and calendar	USPAT; EPO; JPO	OR	ON	2003/07/17 18:50
S56	70	(((computer and ((handheld) or hand-held or (hand adj held))) and (notify same user)) and calendar) and e-mail	USPAT; EPO; JPO	OR	ON	2003/07/17 18:50
S57	114	handheld and (((notify or inform or alert) adj user) same (store or storing or preference or setting))	USPAT	OR	ON	2007/07/08 16:30
S58	27	(handheld and (((notify or inform or alert) adj user) same (store or storing or preference or setting))) and e-mail	USPAT	OR	ON	2003/07/18 16:47

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S59	17	(handheld and (((notify or inform or alert) adj user) same (store or storing or preference or setting))) and calendar	USPAT	OR	ON	2003/07/18 16:47
S83	1864	profile same PDA	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 17:52
S84	105	profile same PDA same event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 17:52
S85	3	profile same PDA same event same mode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 17:53
S86	41	profile same PDA same event and mode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 17:53
S87	38	S86 not S85	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/28 17:53

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Best 200 shown

Relevance scale **1 Service-oriented device communications using the devices profile for web services**  Francois Jammes, Antoine Mensch, Harm SmitNovember 2005 **Proceedings of the 3rd international workshop on Middleware for pervasive and ad-hoc computing MPAC '05****Publisher:** ACM PressFull text available:  [pdf\(479.82 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper outlines the benefits of adopting service-oriented architectures at the level of communications between resource-constrained embedded devices. It focuses on the usage of the *Devices Profile for Web Services* as the underpinning of such architectures for "smart" devices and discusses an early implementation thereof. It further illustrates how "dumb" or "legacy" devices can be integrated using a gatewaying approach.

Keywords: communication infrastructure, device networking, service-oriented architecture, web service

2 Workshop on Architecting Dependable Systems (WADS): Architectural support for  mode-driven fault tolerance in distributed applications

Deepti Srivastava, Priya Narasimhan

May 2005 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2005 workshop on Architecting dependable systems WADS '05**, Volume 30 Issue 4**Publisher:** ACM PressFull text available:  [pdf\(177.41 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many distributed applications exhibit different types of system behaviors, or *modes*, during the course of their operation. Each such mode may have different functional and non-functional requirements (such as fault tolerance, availability, and security). A static software fault-tolerance solution can not cater to the needs of every mode, and also does not utilize system resources intelligently. A flexible architecture is required to provide dependability that can be tailored for such appl ...

Keywords: CORBA, COTS systems, distributed systems, fault tolerance, modes, replication, software architecture

3 Ubiquitous device personalization and use: The next generation of IP multimedia communications 

 Ron Shacham, Henning Schulzrinne, Srisakul Thakolsri, Wolfgang Kellerer
May 2007 **ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP)**, Volume 3 Issue 2

Publisher: ACM Press

Full text available:  pdf(301.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Service usage in emerging ubiquitous environments includes seamless and personalized usage of public and private devices discovered in the vicinity of a user. In our work, we describe an architecture for device discovery, device configuration, and the transfer of active sessions between devices. The presented architecture uses the Session Initiation Protocol (SIP) as a standardized, widely used signaling protocol for IP-based multimedia services. Our solution includes support of simple existi ...

Keywords: Internet multimedia, Location-based services, mobile communications, ubiquitous computing

4 Futurebus+ as an I/O bus: profile B

 Barbara P. Aichinger
April 1992 **ACM SIGARCH Computer Architecture News , Proceedings of the 19th annual international symposium on Computer architecture ISCA '92**, Volume 20 Issue 2

Publisher: ACM Press

Full text available:  pdf(639.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The IEEE Futurebus+ is a very fast (3GB/sec.), industry standard backplane bus specification for computer systems. Futurebus+ was designed independent of any CPU architecture so it is truly open. With this open architecture Futurebus+ can be applied to many different computing applications. Profile B is a subset of the IEEE 896 Futurebus+ standard and targets high performance, general purpose computer I/O applications. This paper describes how and why the functional, electrical, mechanical ...

5 Service design and modeling: A service re-design methodology for multi-channel adaptation

 M. Comerio, F. De Paoli, S. Grega, C. Batini, C. Di Francesco, A. Di Pasquale
November 2004 **Proceedings of the 2nd international conference on Service oriented computing ICSOC '04**

Publisher: ACM Press

Full text available:  pdf(632.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many available services have been designed for a single-channel world, Web and Internet typically. In a real world scenario, an ever-growing number of users take advantage of different kinds of communication channels and devices. In this paper, we propose a methodology to formalize the re-design process of these services to support multi-channel access in different contexts. The methodology considers the channel characteristics, the location of users and the context of use to characterize the ...

Keywords: context of use, location awareness, methodology, multi-channel application, qualities of services, service re-design

6 Exploiting perception in high-fidelity virtual environments: Exploiting perception in high-fidelity virtual environments

 **Additional presentations from the 24th course are available on the citation page**

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez
July 2006 **ACM SIGGRAPH 2006 Courses SIGGRAPH '06**

Publisher: ACM Press

Full text available:  pdf(5.07 MB)  Additional Information: [full citation](#), [appendices and supplements](#), [mov\(68:6 MIN\)](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

The objective of this course is to provide an introduction to the issues that must be considered when building high-fidelity 3D engaging shared virtual environments. The principles of human perception guide important development of algorithms and techniques in collaboration, graphical, auditory, and haptic rendering. We aim to show how human perception is exploited to achieve realism in high fidelity environments within the constraints of available finite computational resources. In this course w ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, multi-user, networked applications, perception, virtual reality

7 Whodunit: transactional profiling for multi-tier applications 

 Anupam Chanda, Alan L. Cox, Willy Zwaenepoel

March 2007 **ACM SIGOPS Operating Systems Review , Proceedings of the 2007 conference on EuroSys EuroSys '07**, Volume 41 Issue 3

Publisher: ACM Press

Full text available:  pdf(611.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper is concerned with performance debugging of multi-tier applications, such as commonly found in servers and dynamic-content web sites. Existing tools and techniques for profiling such applications are not general enough to track and profile transactions in a generic multi-tier application. We propose transactional profiling that provides a general solution to this problem. We provide novel algorithms and techniques to track and profile transactions that flow through shared memory, ev ...

Keywords: distribution, profiling

8 Designing human-computer interfaces for quadriplegic people 

 Constantine E. Steriades, Philip Constantinou

June 2003 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 10 Issue 2

Publisher: ACM Press

Full text available:  pdf(1.20 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The need for participation in an emerging *Information Society* has led to several research efforts for designing accessibility solutions for disabled people. In this paper we present a method for developing Human-Computer Interfaces (HCIs) for quadriplegic people in modern programming environments. The presented method accommodates the design of scanning interfaces with modern programming tools, leading to flexible interfaces with improved appearance and it is based on the use of specially ...

Keywords: Accessibility, assistive technology, augmentative communications, disability, graphical keyboard, motor-impaired users, mouse simulation, quadriplegic people, scanning selection, single-switch input, wifsid, word-prediction

9 Location-aware mobile applications based on directory services 

Henning Maass

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

Publisher: Kluwer Academic Publishers

Full text available:  pdf(421.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

terms

Location-aware applications are becoming increasingly attractive due to the widespread dissemination of wireless networks and the emergence of small and cheap locating technologies. We developed a location information server that simplifies and speeds up the development of these applications by offering a set of generic location retrieval and notification services to the application. The data model and the access protocols of these services are based on the X.500 directory service and the I ...

10 Profiling in an object-oriented design environment that supports Ada 9X and Ada 83 

 **code generation**

K. El Guemhioui, Steven A. Demurjian, T. J. Peters, H. J. C. Ellis
November 1994 **Proceedings of the conference on TRI-Ada '94 TRI-Ada '94**

Publisher: ACM Press

Full text available:  pdf(955.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Object-oriented techniques for design and development have taken a strong hold in academia, industry, and government. Our efforts in this area have been in the development of the object-oriented design environment, ADAM, that is programming-language independent and generates compilable code in Ada 83, Ada 9X, C++, and Ontos C++. A key aspect of ADAM, short for Active Design and Analyses Modeling, is the requirement that software engineers supply profiles when defining the ...

11 Scalable directory services using proactivity 

Fabián E. Bustamante, Patrick Widener, Karsten Schwan
November 2002 **Proceedings of the 2002 ACM/IEEE conference on Supercomputing Supercomputing '02**

Publisher: IEEE Computer Society Press

Full text available:  pdf(154.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Common to computational grids and pervasive computing is the need for an expressive, efficient, and scalable directory service that provides information about objects in the environment. We argue that a directory interface that 'pushes' information to clients about changes to objects can significantly improve scalability. This paper describes the design, implementation, and evaluation of the Proactive Directory Service (PDS). PDS' interface supports a customizable 'proactive' mode through which ...

12 An open-source CVE for programming education: a case study: An open-source CVE 

 **for programming education: a case study**

Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks
July 2005 **ACM SIGGRAPH 2005 Courses SIGGRAPH '05**

Publisher: ACM Press

Full text available:  pdf(7.92 MB) Additional Information: [full citation](#), [references](#)

13 Nomadic radio: speech and audio interaction for contextual messaging in nomadic environments 

 Nitin Sawhney, Chris Schmandt
September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 3

Publisher: ACM Press

Full text available:  pdf(648.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile workers need seamless access to communication and information services while on the move. However, current solutions overwhelm users with intrusive interfaces and ambiguous notifications. This article discusses the interaction techniques developed for Nomadic Radio, a wearable computing platform for managing voice and text-based messages in a nomadic environment. Nomadic Radio employs an auditory user interface, which synchronizes speech recognition, speech synthesis, nonspeech audio ...

Keywords: adaptive interfaces, contextual interfaces, interruptions, nonspeech audio, notifications, passive awareness, spatial listening, speech interaction, wearable computing

14 [AAA, security and privacy: Context-aware privacy protection with profile management](#) 

 Anelia Mitseva, Mohamad Imine, Neeli R. Prasad

September 2006 **Proceedings of the 4th international workshop on Wireless mobile applications and services on WLAN hotspots WMASH '06**

Publisher: ACM Press

Full text available:  pdf(472.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Hotspot services will be offered in small, highly-populated public places like airports, hospitals, etc. They will play their assistive roles in the people's life only if they are secure, trusted, and nonobtrusive. Some of the challenges faced are the seamless operation between WLAN-based hotspots and other emerging wireless data networks technologies, for example body sensor networks; the exploitation of context- and location-aware information provided from the hotspot service; matching the use ...

Keywords: adaptive privacy protection, context-awareness, hotspots, location-awareness, personalization, secure profile management, smart spaces, user data minimization, wireless sensor networks

15 [Location-aware mobile applications based on directory services](#) 

 Henning Maaß

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking MobiCom '97**

Publisher: ACM Press

Full text available:  pdf(1.59 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: LDAP, X.500, adaptive applications, directory services, distributed systems, locating systems, location-aware applications, middleware, mobile computing, software architectures, wireless multimedia networks

16 [A publish/subscribe CORBA persistent state service prototype](#) 

C. Liebig, M. Cilia, M. Betz, A. Buchmann

April 2000 **IFIP/ACM International Conference on Distributed systems platforms Middleware '00**

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(283.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

An important class of information dissemination applications requires 1:n communication and access to persistent datastores. CORBA's new Persistent State Service combined with messaging capabilities offer the possibility of efficiently realizing information brokers between data sources and CORBA clients. In this paper we present a prototype implementation of the PSS that exploits the reliable multicast capabilities of an existing

middleware platform. This publish/subscribe architecture makes ...

17 [DVM: an object-oriented framework for building large distributed Ada systems](#) 

Christopher J. Thompson, Vincent Celier
November 1995 **Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solutions for a changing complex world TRI-Ada '95**
Publisher: ACM Press
Full text available:  pdf(1.50 MB) Additional Information: [full citation](#), [references](#)

18 [Draft report of the Federal Internetworking Requirements Panel, and selected responses](#) 

Diane Fountaine
April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2
Publisher: ACM Press
Full text available:  pdf(4.15 MB) Additional Information: [full citation](#), [index terms](#)

19 [The HIJA project: 1: Safety critical applications and hard real-time profile for Java: a case study in avionics](#) 

Erik Yu-Shing Hu, Eric Jenn, Nicolas Valot, Alejandro Alonso
October 2006 **Proceedings of the 4th international workshop on Java technologies for real-time and embedded systems JTRES '06**
Publisher: ACM Press
Full text available:  pdf(460.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Despite Java's initial promise of providing a reliable and cost-effective platform-independent environment, the language appears to be unfavourable in the area of high-integrity systems and real-time systems. To address this issue, the language environment must provide not only a well-defined specification or subset, but also a complete environment with appropriate analysis tools. This paper describes an architecturally neutral real-time frame-work, which is proposed by the HIJA project, for safe ...

Keywords: high-integrity systems, real-time java, safety critical systems

20 [A nested transaction model for multilevel secure database management systems](#) 

Elisa Bertino, Barbara Catania, Elena Ferrari
November 2001 **ACM Transactions on Information and System Security (TISSEC)**, Volume 4 Issue 4
Publisher: ACM Press
Full text available:  pdf(560.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article presents an approach to concurrency control for transactions in a Multilevel Secure Database Management System (MLS/DBMS). The major problem is that concurrency control mechanisms used in traditional DBMSs are not adequate in a MLS/DBMS, since they may be exploited to establish covert channels. The approach presented in this article, which uses single-version data items, is based on the use of nested transactions, application-level recovery, and notification-based locking protocols.

...

Keywords: Nested transactions, concurrency control, covert channels, multilevel secure database management systems

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